

## **Approaches to the study of the pathogenesis of HIV infection**

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### **Abstract**

Since its discovery over twodecades ago, much has been learned about HIV type 1 virus and molecular biology of viral replication cycle. This knowledge has been used to develop lentivirus based system wich have advantage over conventional retroviral replication systems [1]. Advances in our undestanding of the molecular mechanisms of viral replication cycle decide current approaches in selection of treatment strategy of the disease and cellular targets for anti-retroviral therapeutics [2]. Here we describe basic features of the HIV-1 rmodels. We also provide detailed information on propagation of HIV-1 derived lentiviral vectors, cell transduction protocol andmethod for evaluation of the titer of a lentivirus [3]. © IDOSI Publications, 2013.

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### **Keywords**

HIV, Lentivirus, Pathogenesis